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10/537,993	04/10/2006	Keiichi Yamamoto	ES/4676-916	1366
23117 7590 07/13/2009 NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203			EXAMINER	
			PAUL, JESSICA MARIE	
ARLINGTON,	VA 22205		ART UNIT	PAPER NUMBER
			1796	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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DETAILED ACTION

Response to Arguments

Applicant's arguments filed June 24, 2009 have been fully considered but they are not persuasive. Applicants argue that following formula (1), as disclosed by Inue et al. (US Patent No. 5889095)

(1)
$$\mathbb{R}^{2} \longrightarrow \mathbb{R}^{4}$$

$$\mathbb{R}^{3} \longrightarrow \mathbb{R}^{4}$$

$$\mathbb{R}^{2} \longrightarrow \mathbb{R}^{5}$$

$$\mathbb{R}^{2} \longrightarrow \mathbb{R}^{5}$$

Wherein R¹, R², R⁴, and R⁵ can be an alkyl; R³ is hydrogen; X is a direct bond; A is an alkylene group having 2 to 8 carbon atoms; and one of Y and Z represent a hydroxyl [col1,line65-col2, line33]; does not read on applicants' required instant formula (1). Applicants argue that group A group must have ethylenic unsaturation. The examiner respectfully disagrees.

Inue et al. discloses alkylene groups, corresponding to a divalent alkyl group, i.e. $-CH_2CH_2CH_2$; which would be considered a propylene group [col3, line31-42]. This is supported by Example 9, where $A = -CH_2CH_2CH_2$ -, in the production of 2,4,8,10-tetra-t-butyl-6-[3-(3-methyl-4-hydroxy-5-t-butylphenyl)propoxy]dibenzo[d,f][1,3,2]

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dioxaphosphine.

Which comprises reacting 3,3'5,5'-tetra-t-butylbiphenyl-2,2'-diol (corresponding to Formula II, [col4, line1-9])

with phosphorous trichloride and triethylamine. The mixture is then reacted with 3-(3-t-butyl-4-hydroxy-5-methylphenyl)propanol (corresponding to Formula III [col4, line12-20]), via the propanol moiety.

The reaction product, as disclosed in Example 9 by Inue et al., reads on applicants' required formula (1).

The compound as disclosed by Inue et al., reads on applicants required formula (1), and therefore the rejection of claims 3-6, 8, 9, 11, and 12, Shustack (US Patent No. 5146531) in view of Inue et al.; and the rejection of claims 13-14, Bishop et al. (US Patent No. 6714712) in view of Inue et al., still stand.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jessica Paul whose telephone number is (571)270-5453. The examiner can normally be reached on Monday thru Friday 8:00-6:00p; alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Eashoo can be reached on 571-272-1197. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/James J. Seidleck/ Supervisory Patent Examiner, Art Unit 1796 Jessica Paul Examiner Art Unit 1796

/JMP/